REMARKS

This preliminary amendment is submitted to correct an inadvertent omission in the brief description of the drawings. Support for this amendment is found at page 19, line 6 through page 20, line 27.

Attached is a marked-up version of the changes being made by the current amendment. Please apply any charges or credits to Deposit Account No. 06-1050.
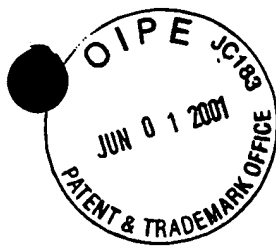
Respectfully submitted,

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Version with markings to show changes made

In the specification:

Paragraph beginning at page 4, line 5 has been amended as follows:

FIG. 1 is a block diagram of a computer system for merging images;

FIG. 2A and 2B show user interfaces presented by the system of FIG. 1;

FIG. 3 shows the relationship between perspective distortion, the rotation angle, and the focal length;

FIG. 4 is a flow chart of the process performed by the system of FIG. 1 to merge the images, including determining relative positions of the images, correcting perspective distortion in the images, and determining the focal length and rotation angles of the images;

FIG. 5A illustrates the use of the focal length and the rotation angle to map images onto a cylinder;

FIG. 5B illustrates the use of the focal length and the rotation angle to incorporate a computer generated 3-dimensional object into a panoramic image;

FIGs. 6A-6F illustrate intermediate steps in merging images;

FIGs. 7A and 7B are flow charts of the process performed by the system to determine the relative positions of the images;

FIG. 8 is a flow chart of the process performed by the system to correct perspective distortion in the images;

FIG. 9 shows images that are in the process of being positioned relative to each other;

FIG. 10A shows the conversion of two-dimensional coordinates into four-dimensional coordinates;

FIG. 10B is a flow chart of the process performed by the computer system of FIG. 1 to compute the vertices of a perspective distorted image based on rotation angles and focal lengths;

FIGS. 10C-10E show the equations terminology used to compute the focal length and rotation angles of an image;[and]

FIG. 11 is a flow chart of the process performed by the system to compute the focal length and the rotation angle of an image[.]; and

FIG. 12 is a flow chart of a process performed to merge images.